

FAX TRANSMISSION**DATE:** April 10, 2003**PTO IDENTIFIER:** Application Number 09/240,632-Conf. #7584
Patent Number**Inventor:** Yutaka Murakami, et al**MESSAGE TO:** C. Fan**FAX NUMBER:** (703) 872-9314**FROM:** CONNOLLY BOVE LODGE & HUTZ LLP
George R. Pettit**PHONE:** (202) 331-7111**Attorney Dkt. #:** 20402-00568-US**PAGES (Including Cover Sheet):** 17**CONTENTS:** In response to the Office Action mailed December 10, 2002, attached is a Response, One Month Extension of Time and Amendment Transmittal.

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CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800, Washington, DC 20036-3425
Telephone: (202) 331-7111 Facsimile: (202) 293-6229

PTO/SB/97 (12-97)

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Amendment in Response to Non-Final Office Action;
Request for One Month Extension of Time;
Fee Transmittal; and
Amendment Transmittal.

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AMENDMENT TRANSMITTAL LETTER				Docket No. 20402-00568-US	
Application No. 09/240,632-Conf. #7584		Filing Date February 1, 1999		Examiner C. Fan	
				Art Unit 2634	
Applicant(s): Yutaka Murakami, et al					
Invention: MODULATION METHOD AND RADIO COMMUNICATION SYSTEM					
TO THE COMMISSIONER FOR PATENTS					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	55	- 73 =	0	x	0.00
Independent Claims	6	- 12 =	0	x	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): One Month Extension of Time					110.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					110.00
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity <input type="checkbox"/> No additional fee is required for this amendment. <input checked="" type="checkbox"/> Please charge Deposit Account No. <u>22-0185</u> in the amount of \$ <u>110.00</u> . A duplicate copy of this sheet is enclosed. <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge and credit Deposit Account No. <u>22-0185</u> as described below. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
George R. Pettit Attorney Reg. No.: 27,369 CONNOLLY BOVE LODGE & HUTZ LLP 1980 M Street, N.W., Suite 800 Washington, DC 20036-3425 (202) 331-7111				Dated: <u>April 10, 2003</u>	
I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9314, on the date shown below. Dated: <u>4/10/03</u> Signature: <u>Deborah A. Harrell</u> (Deborah A. Harrell)					

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Dated: 4/10/03

Signature:

(Deborah A. Hamill)

Docket No.: 20402-00568-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Yutaka Murakami, et al

Application No.: 09/240,632

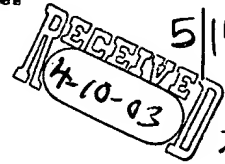
Filed: February 1, 1999

For: MODULATION METHOD AND RADIO
COMMUNICATION SYSTEM

Group Art Unit: 2634

Examiner: C. Fan

Official

AMENDMENT UNDER 37 C.F.R. §1.116

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Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Office Action dated December 10, 2002, please amend the above-identified U.S. patent application as follows:

IN THE SPECIFICATION:

Page 18, after line 23, kindly insert the following:

As is well known in the art, a pair of modulated baseband I and Q signals is composed of (or contains) a stream of modulated symbols. According to the invention, the quadrature baseband modulator 12 outputs the baseband I and Q signals composed of a stream of modulated symbols as shown in Fig. 7. Fig. 7 shows an arrangement of a symbol stream according to the base concept of the invention. In Fig. 7, the symbol stream is basically composed of first symbols having been subjected to a first modulation scheme (16 APSK in the specific example of Fig. 7) and periodically includes second symbols having been subjected to a second modulation scheme (QPSK in the specific example of Fig. 7) which is different from the first modulation scheme. This enables a receiver to use each of the second symbols as a pilot symbol

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